

Glen Echo Water Testing (July 2025)

Date: July 20, 2025

Weather: Sunny HI 84F Low 68F, winds 15mph SW

| Site | Depth (M) | Secchi (M) | Temp (C) | Temp (F) | RDO (mg/L) | pH | Cond. (uS/cm) | Turb. (NTU) | NO3 Mg/L-N |
|------------------|-----------|------------|----------|----------|------------|------|---------------|-------------|------------|
| Dam | 0.5 | | 26.38 | 79 | 8.10 | 7.86 | 175.0 | 0.47 | 0.5 |
| Dam | 1.5 | | 26.36 | 79 | 7.80 | 7.51 | 175.3 | 0.53 | 0.5 |
| Dam | 2.5 | | 26.34 | 79 | 7.71 | 7.36 | 175.3 | 0.62 | 0.5 |
| Dam | 3.5 | | 24.46 | 76 | 6.99 | 7.13 | 172.2 | 0.90 | 0.6 |
| Dam | 4 | 2.5 | 18.48 | 65 | 4.69 | 6.75 | 168.6 | 1.81 | 0.7 |
| RT 31 Outlet | 0.5 | | 26.49 | 80 | 7.29 | 7.16 | 175.4 | 0.67 | 0.6 |
| 2 Sunset | 0.5 | | 26.50 | 80 | 7.76 | 7.27 | 175.7 | 0.65 | 0.7 |
| 83 Sunset | 0.5 | | 26.64 | 80 | 7.83 | 7.35 | 175.6 | 0.75 | 0.7 |
| Narrows | 0.5 | | 26.63 | 80 | 7.86 | 7.33 | 175.6 | 0.61 | 0.7 |
| Red Buoys Narrow | 0.5 | | 26.75 | 80 | 7.81 | 7.36 | 175.7 | 0.99 | 0.7 |
| Jackie | 0.5 | | 26.83 | 80 | 8.01 | 7.45 | 175.8 | 0.71 | 0.8 |

| | Secchi (M) | Temp.C | RDO mg/L | pH | uS/cm | NTU |
|--------------------|------------|---------|----------|------------|--------|----------|
| Excellent Readings | > 4.5 | <25.0 | >= 6 | 6.5 – 8.0 | <120 | 0-1.0 |
| Good Readings | 3 to 4.5 | <= 27 | 5 to 6 | 6.5 - 8.5 | >120.1 | 1.1.—5.0 |
| Fair Readings | 1.2 to 3 | <= 28.3 | 4 to 5 | 6.0 - 9.0 | >240 | 5.1-- 10 |
| Poor Readings | < 1.2 | >28.3 | <4 | <6.0, >9.0 | >360 | >10 |

Secchi and Turbidity (NTU) – Measure of the cloudiness in the water, can be caused by soil erosion, run-off, waste discharge, algal growth, boat traffic and pollen.

Temperature (C) – Measure of the temperature of water which has an impact on the dissolved oxygen, weed and algal growth, and the fish.

Dissolved oxygen (mg/L) – Measure of dissolved oxygen, colder water holds more oxygen, fish become stressed at levels below 4mg/L. At 10C – 11.3 mg/L, at 30C – 7.5mg/L

pH - Measure of the acid/alkaline relationship in a water body.

Conductivity (uS/cm) – Measure of dissolved inorganic solids such as road salt, fertilizers, or contaminants from a failed septic system.